

DOCKET NO.: 246754US0/phh



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Hiroshi HAGINO, et al.

SERIAL NO: 10/739,085

GROUP: 1636

FILED: December 19, 2003

EXAMINER:

FOR: COSMETICS

LETTER

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

On May 13, 2005; we filed an Information Disclosure Statement citing reference JP 54-140737. Submitted herewith is a partial English translation of the same for the Examiner's consideration.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.
Norman F. Oblon

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 10/04)

Corwin P. Umbach, Ph.D.
Registration No. 40,211



JP 54-140737A

Claim : (whole)

A hair tonic composition containing Spirulina or (and) an extract thereof.

Detailed explanation of the invention : (abstract)

Spirulina belongs to a deep blue seaweed and has a spiral form. Spirulina contains a lot of protein.

In this invention a dried Spirulina or a powder of a dried Spirulina is used. An extract thereof is also used, which is obtained by dipping a dried Spirulina or a powdered Spirulina into oil or alcohol with letting alone or heating and then filtering them if necessary.

A hair tonic composition of this invention is used as a form of ointment or lotion with a suitable base agent, for example, a pomade, a hair-cream, a hair liquid, a shampoo and a treatment.

The Spirulina content is desirably about 0.4 – 10 wt% in the hair tonic composition. According to this invention the effects such as growing a hair, regenerating a hair or refreshing a white (aged) hair are obtainable by a cooperated action of chlorophyll, a lot of protein, several vitamins, minerals or etc. in Spirulina.